

## EAST Search History (Prior Art)

/DC/ - 10/7/2009

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	("5674362").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2009/10/07 12:56
L8	1	("4605702").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/10/07 13:00
S1	14	(("5989392") or ("5013456") or ("5131982") or ("5068297") or ("5051487") or ("6753388") or ("6517677") or ("6605674") or ("6398967") or ("6303722") or ("3556932") or ("4605702") or ("5674362")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/06 10:19
S2	1	S1 and aldehyde	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/19 16:32
S3	5	S1 and (glyoxal or glyoxylated)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/19 16:32
S4	4267	(162/158,164.6,166,168.1,168.2,168.3,DIG.4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/20 09:05
S5	2240	(525/154,313,328.2,328.3,329.4).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/04/20 09:05
S6	2	(("4913775") or ("5393381")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/04/20 11:59
S7	40	(floccula\$4 or dewatering or drainage) and (((aldehyde adj functional\$4) or glyoxylated) near2 polymer) and (\$5amide or \$5amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 13:26
S8	40	(floccula\$4 or dewatering or drainage) and (((aldehyde adj functional\$4) or glyoxylated) near2 polymer) and (\$5amide or \$5amine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 13:19

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S9	11	S8 and zwitterionic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 13:21
S10	15	(floccula\$4 or dewatering or drainage or retention) and (((aldehyde adj functional\$4) or glyoxylated) near2 polymer) and (\$5amide or \$5amine) and (zwitterionic or \$betaine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 13:45
S11	1	WO-200011046-\$ did.	EPO; DERWENT	OR	ON	2006/04/20 13:37
S12	16	((aldehyde adj functional\$4) or glyoxylated) near2 polymer) and (\$5amide or \$5amine) and (zwitterionic or \$betaine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 13:53
S13	13	(glyoxylated adj poly\$5amide) and (\$betaine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/04/20 13:55
S14	572	(glyoxal or glyoxylated) and (drainage or dewatering) and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 10:23
S15	8	((glyoxal or glyoxylated) with (drainage or dewatering)) and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 11:52
S16	308	S14 and cationic and anionic and (nonionic or "non-ionic")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/20 16:01
S17	46	S14 and zwitterionic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/20 16:01
S18	46	S16 and S17	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/20 16:01
S19	112	(aldehyde adj functional\$4) and (drainage or dewatering) and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/10/23 08:32

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S20	24	("2982749" "20020134521" "3284393" "355 6932" "3734873" "4605702" "4919821" "49 29655" "5006590" "5597858" "5597859" "5 605970" "5654198" "5674362" "5837776" " 5985992" "6013708" "6315866" "6426383" " 6610209").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/10/23 08:32
S21	1	("20050161181").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/03 09:49
S22	1	("6083348").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/05/03 09:49
S23	217	((glyoxal or glyoxylated) with poly\$4acrylamide) and (drainage or dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 10:25
S24	17	S23 and ((zwitterionic near5 monomer) or betaine)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 10:25
S25	2	((glyoxal or glyoxylated) with (acrylamide)) and (wet strength) and (zwitterionic near5 monomer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 11:55
S26	0	((glyoxal or glyoxylated) with (acrylamide)) and (wet strength) and (ampholytic near5 monomer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 11:56
S27	462	((glyoxal or glyoxylated) with (acrylamide)) and (wet strength) and (betain or (ammonium bear3 phosphate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 11:58
S28	13	((glyoxal or glyoxylated) with (acrylamide)) and (wet strength) and (betain or (ammonium near3 phosphate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/03 11:58
S29	1061	((wet adj strength) drainage retention) and \$4acrylamide and ((acrylamide amide) near6 (glyox\$ aldehyde))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/06 10:19
S31	2	(("4605702") or ("4954538")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/10/06 10:22

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S32	1061	((wet adj strength) drainage retention) and \$4acrylamide and ((acrylamide amide) near6 (glyox\$ aldehyde))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/06 12:40
S33	368	S32 and (strength near5 paper)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/10/06 12:40
S34	60	bjorkquist.I.N.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/22 13:18
S35	6	S34 and (glyoxal glyoxylated) and \$4acrylamide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/22 13:18
S36	56	("3096228"   "3556932"   "3709857"   "3740391"   "3772259"   "3772407"   "3773736"   "3790537"   "4217425").PN. OR ("4603176").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/22 13:19
S37	476	(drainage retention dewatering) and ((acrylamide polyacrylamide polyamide) near8 (glyoxal glyoxylated))	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/22 13:19
S38	149	S37 and (DADMAC DMADAAC diallyldimethylammonium dimethyldiallylammmonium)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/22 13:19
S39	125	S38 and ((formula molecular) adj weight)	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/22 13:19
S40	91	S39 and papermaking	US-PGPUB; USPAT; USOCR	OR	ON	2007/12/22 13:19
S41	232	((glyoxal or glyoxylated) with poly\$4acrylamide) and (drainage or dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/12/22 13:20
S42	11	coscia-a.I.N.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/06/13 14:19
S43	1	("3813362").URPN.	USPAT	OR	ON	2008/06/13 14:20
S44	2	("3556932").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2008/06/13 14:22

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S45	151	("3556932").URPN.	USPAT	OR	ON	2008/06/13 14:22
S46	88	S45 and (retention drainage)	USPAT	OR	ON	2008/06/13 14:22
S47	7	S45 and ((glyoxal glyoxylated) with (retention drainage))	USPAT	OR	ON	2008/06/13 14:23
S48	387	glyoxylated near3 (polyacrylamide acrylamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:22
S49	177	glyoxalated near3 (polyacrylamide acrylamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:22
S50	708	glyoxal near8 (polyacrylamide acrylamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:22
S51	1038	S48 S49 S50	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:22
S52	79	S51 same (crosslinked direacted)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:22
S53	191	S51 and (crosslink\$3 same glyoxal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:22
S54	519	S51 and (retention drainage dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:23
S55	47	S51 same (retention drainage dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:23
S56	242	S52 S53 S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:23

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S57	90	S56 and papermaking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:23
S58	32	S51 and (press near4 dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/26 16:23
S59	5	(("2937143") or ("3235490") or ("4605702")).PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/26 16:25
S60	20450	(dialdehyde aldehyde glyoxal glyox\$1lated) near10 (polymer polyamide polyamine polyacrylamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 09:59
S61	1111	(dialdehyde aldehyde glyoxal glyox\$1lated) near10 (polymer near3 (amide amine acrylamide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:00
S62	211	(dialdehyde aldehyde glyoxal glyox\$1ated) near10 functional\$4 near10 (polymer near3 (amide amine acrylamide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:00
S63	1494	(dialdehyde aldehyde glyoxal glyox\$1ated) near10 functional\$4 near10 (polymer polyamide polyamine polyacrylamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:00
S64	20562	S60 S61 S62 S63	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:01
S65	1292	S64 and ((crosslinked direacted) near5 (dialdehyde aldehyde glyoxal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:01
S66	2235	S64 and ((crosslinked direacted) same (dialdehyde aldehyde glyoxal))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:01

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S67	252	S64 same (retention drainage dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:01
S68	64	S64 and (press near4 dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:02
S69	753	S64 and papermaking	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:02
S70	610	S64 and "162"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:02
S71	921	S69 S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:02
S72	93	S67 and S71	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:02
S73	6	S66 and S72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:03
S74	88	S72 and ((polymer near3 (amide amine acrylamide)) polyamide polyamine polyamin\$1amide polyamid\$1amine polyacrylamide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:04
S75	67	S74 and (dialdehyde glutaraldehyde glyoxal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 10:04
S76	6	((glyoxal or glyoxylated) with poly\$4acrylamide) same (drainage or dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/07 06:02

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S77	10	((glyoxal or glyoxylated) with (acrylamide polyacrylamide)) with (drainage or dewatering)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/10/07 06:04
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## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L10	23	((paper near3 (sheet machine)) papermaking) and (((amine amide amido amino acrylamide vinylamine) near5 polymer) polyamine polyamide polyvinylamine polyacrylamide) and ((aldehyde glyoxal glyox\$lated) near5 (reacted functional\$4)) and (unreacted near3 (glyoxal aldehyde))	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/07 13:36
L11	0	((paper near3 (sheet machine)) papermaking) and (((amine amide amido amino acrylamide vinylamine) near5 polymer) polyamine polyamide polyvinylamine polyacrylamide) and ((aldehyde glyoxal glyox\$lated) near5 (reacted functional\$4)) and (unreacted near3 (glyoxal aldehyde))).clm.	US-PGPUB; USPAT; UPAD	OR	ON	2009/10/07 13:41